AUTHOR INDEX*

NOTE

Committee and Special Reports are published in rear forms as part of AHA News.

The reports follow text and are continued into rear ad pages.

A

Abbottsmith C, 1090, 1100 Abelmann WH, 645 Abernathy JR, 270 Abete P, 1306 Acanfora D, 1306 Ackaoui A, 499 Agarwal JB, 221, 484 Aguirre M, 1424 Aihara N, 560 Akhtar M. 837 Aldridge J, 1324 Alexander RW, 43 Allen L, 774 Almendral JM, 569, 581 Ambos HD, 122 Ambrose J, 1213 Ambrosio G. 767 Andersen AR, I-55 Anderson HV, 820 Anderson RH, 311 Angelini C, 767 Antman EM, 787 Antony I, 337 Arcas R, 1319 Arieff AI, 227 Arisawa J, 62 Asanoi H, 1022 Ashton JH, 678 Askenase AD, 221 Atlas SA, 997 Attisano T, 767 Aurigemma G, 1376 Auslander DM, 1363

В

Badimon JJ, 1213 Badimon L, 1213 Badoer E, I-40 Baerman JM, 1047 Bailie DS, 1395 Banai S, 392 Barbey JT, 380 Barnes C, 1311 Baron D, 1311 Barrett-Connor E, 53 Barry DI, I-55 Baumgartner WA, 886 Beatt KJ, 361 Beck GJ, 1238 Becker AE, 589 Becker LC, 865 Behar VS, 151 Belhassen B, 795 Beller GA, 745 Benassi A, 654 Ben-David J, 1395 Benhorin J. 392 Benjamin N, 1072 Benson LN, 1055 Berenson GS, 856 Berger HJ, 316 Berko B, 1376 Bersin RM, 227

Aylward PEG, 873

Bisera J. 234 Blank SG, 1297 Bodvarsson M, 696 Bogin KT, 1376 Boineau JP, 1221 Bol A, 927 Borkon AM, 886 Borow KM, 625 Bostrom MPG, 1258 Bostwick JM, 1100 Boswick J, 33, 1090 Botvinik EH, 712 Bounameaux H, 353 Braunwald E, 13 Bredlau C, 316 Brenner JI, 311 Brevetti G, 767 Brooks LA, 1108 Bruce RA, 897 Buda AJ, 915 Budner N, 607 Buja LM, 678 Burgess MJ, 1414 Buxton AE, 569, 759, 1030

C

Cain ME, 122, 1221 Califf R, 33, 151, 1090, 1100 Calkins H, 70 Camacho SA, 712 Camargo MJ, 997 Cameron A, 815 Campbell RB, 162 Canavan TE, 1221 Candela RJ, 1090, 1100 Canny GJ, 1055 Canzanello VJ, 696 Capdevila JH, 1177 Capone RJ, 1403 Cardinal R, 1162 Carlson EB, 151 Carroll JD, 625, 967 Carter SA, 988 Castaneda AR, 1062, 1333 Catella F, 142 Chaitman BR, 897 Chappuis F, 457 Charbonnier B, 353 Charbonnier F, 1038 Charlap S, 774 Charlier A, 927, 1081 Cheron P, 1081 Chesebro J. 1213 Chesler E, 1324 Chiariello M, 767 Choong CY, 415, 978 Chung KJ, 104, 736 Cinnamon J. 774 Clancy EA, 110 Cobb FR, 552 Cody RJ, 1297 Cogneau M, 927 Cohen M, 1213 Cohen RJ, 110 Colan SD, 1333 Colle JP, 353 Collen D, 670, 731, 1100

Coller BS, 670

Collins SM, 328, 873 Condorelli M, 849, 997 Constantin L, 1038 Cooper SM, 1108 Copeland J, 1324 Corin WJ, 613, 1345 Coronel R, 589, 1125 Corr PB, 1221 Costard A, 1177 Costigan T, 638 Cox JL, 1221, 1356 Cox WR, 372 Crawford MH, 543, 830 Crumpacker C, 645 Cuesta B, 1319 Cummings RG, 33 Cunningham MJ, 964 Cuomo S, 1306

D

Daffner C, 398 D'Amato P, 316 Davies M. 200 Davis KB, 345, 815 Dean E, 988 Deanfield JE, 311 de Bakker JMT, 589 de Buitleir M, 289 De Capricio L, 1306 Deev A, 270 de Feyter PJ, 361 de Graeff PA, I-24 de Langen CDJ, 445, I-24 Dell'Italia LJ, 830, 1276 de Luca N, 849, 997 DeMots H, 1324 DePasquale EE, 316 DePuey EG, 316 Deshmukh HG, 234 Detre K, 638 Dillon J, 1090 DiMarco JP, 131 Dingemans KP, 589 Doherty J, 1324 Dollery CT, 1072 Douglas JS Jr, 372, 820 Douglas P, 1376 Dropiński J, 1245 Duff HJ, 209 Dzau VJ, 947, I-1, I-4

E

Ebels T, 311 Echt DS, 380 Ekelund L-G, 270 El-Sherif N, 429 Ellis SG, 372 Elsner D, 398 Emanuel RW, 1256 Emery R, 1324 Ewy GA, 240

F

Falck JR, 1177 Fallon JT, 670, 978

*Roman numbers indicate articles published in supplements.

Bigazzi MC, 849

Bille J. 182

Fananapazir L, 1291 Fedele FA, 1403 Feneley MP, 240 Ferguson DW, 279 Ferrara N, 1306 Ferulano G, 767 Fiolet JWT, 1125 Fish RD, 787 Fisher LD, 897 Fitzgerald DJ, 142 Fitzgerald DM, 806 FitzGerald GA, 142 Fleagle SR, 328 Florentine MS, 1108 Floten S, 1324 Forssman WG, 398 Foult J-M, 337 Franz MR, 1177 Freedberg RS, 96 Freedman DS, 856 Freedom RM, 1055 Friday KJ, 806 Frishman W, 774 Frohlich ED, 501A Fry ETA, 906 Fujii H, 535 Fujii K, 78 Fujita M, 1022 Fukui S, 526 Fung H-L, 1376 Fuster V, 1213 Futaki S, 1116

G

Gaffney T, 491 Gall SA Jr, 240 Gallagher JJ, 1291 Gallagher KP, 915 Ganten D, I-18, I-40 Ganz P, 43 Garan H, 696 Garcia EV, 316 Gardner TJ, 886 Gascho JA, 745 Gay RG, 1424 Gaynor JW, 240 George BS, 1090, 1100 German LD, 1291 Gettes LS, 1125 Geuskens R, 361 Gewirtz H, 1403 Gibb WJ, 1363 Gibson RS, 745 Giorgi C, 499 Glas-Greenwalt P, 678 Glass RF, 104 Glauser MP, 182 Glick A. 795 Glover D, 491 Gober A, 316 Gold HK, 670 Goldman S, 1324, 1424 Golino P, 678 Gonzalez A, 1013 Gordon JB, 43 Goto Y, 468 Gotoh K, 526 Gottlieb CD, 569 Gottlieb CH, 581 Gottlieb S, 392 Gough WB, 429 Graham K, 1311

Greer GS, 1291 Griffin JC, 1363 Grim C, 501A Gruentzig A, 316, 820 Guarnieri T, 70 Gudipati CV, 234 Guerrero JL, 670 Guillen J-C, 935 Gurné O, 927 Guth B, 457 Guyer DE, 978

Haakenson C, 1324

H

Hackel D, 33, 1356 Hagege AA, 415 Haines DE, 131 Hamano Y, 526 Hanet C, 1081 Hanich RF, 445, 1149 Harker LA, 1324 Harrington JT, 696 Harrison DG, 1108 Harshfield GA, 1297 Hauer RNW, 589 Haws CW, 1414 Healey J, 1311 Helfant RH, 221, 484 Hélie F, 1162 Henderson W, 1324 Henry CA, 787 Henthorn RW, 1003 Hermann GA, 484 Hess OM, 613, 967, 1345 Hess PG, 1003 Hesselink JR, 104 Higginbotham MB, 552 Hillman K, 1311 Hinohara T, 151 Hirai M, 1414 Hiramori K, 468 Hiratzka LF, 328 Hirose H, 62 Hoff HF, 1238 Hollenberg NK, I-59 Holman WL, 1356 Holmes DR Jr, 638 Holt J, 1324 Honma K, 1283 Hood WB Jr, 705 Hopson R, 1038 Hori M, 526 Horio Y, 535 Horowitz JD, 787 Hosoda S, 1370 Hougen TJ, 1062, 1333 Hugenholtz PG, 361 Humphrey LS, 886 Hunt MM, 328 Hurst JW, 820 Hutchins GM, 1250, 1258

I

Igarashi Y, 468 Ikeda K, 1283 Ikeshita M, 1356 Imai N, 705 Indolfi C, 997 Inoue H, 1395 Inoue M, 526 Irwin JM, 298 Ishikawa T, 301 Ito A, 301

J

Jackman WM, 806 James TL, 712 Janse MJ, 589, 1125 Jasmin G, 712 Jazayeri M, 837 Jin M, I-18 Johnson MR, 328, 873 Johnson TA, 1125 Jonas RA, 1333 Josa M, 1324 Josephson ME, 569, 581, 759, 1030 Jouve R, 935 Jürgens G, 1238

K

Kabell G, 1385 Kadish AH, 70, 289, 445, 1030 Kamada T, 78, 526 Kamakura S, 560 Kaminski PM, 1177 Kan JS, 70 Kaseda S, 1395 Kass DA, 1203 Kato H, 407 Katoh O, 526 Katsuki T, 1370 Kaul S. 745 Kavanagh T, 162 Kawanishi DT, 1013 Kawashima Y, 62 Keane JF, 1062, 1068, 1333 Kearney DL, 188 Kelly R, 1311 Kelsey S, 638 Kennedy J, 162 Kennedy JW, 345 Keogh A, 1311 Kerber RE, 328, 1038 Kereiakes D, 1090, 1100 Keren A, 392 Kern KB, 240 Kessler-Hanna A, 1250 Keyeux A, 927 Khaw K-T, 53 Kienzle MG, 1038 Kimmel B, 774 King SB III, 372, 820 Kiriyama N, 1283 Kirklin J, 1324 Kitabatake A, 78 Kitakaze M, 685 Klein LW, 484 Kline EM, 1100 Kloiber R, 86 Knudtson M, 86 Kochsiek K, 398 Kodama K, 78 Kohlmeier M, 172 Kong Y, 151 Kotlewski A, 1013 Kou WH, 289 Kramer J, 1238 Krayenbuehl HP, 613, 967, 1345 Kroeger EA, 988 Kromer EP, 398 Kron IL. 131 Kronzon I. 96

Green GE, 815

Kübler W, 172 Kugiyamam K, 535 Kuller LH, 504 Kunzel C, 1316 Kushner JA, 289 Kusuoka H, 526

L

Lab M, 1266 Labarthe DR, 501A L'Abbate A, 654 Lancaster L, 1324, 1424 Landelius J, 264 Landini L, 654 Lang P, 1333 Lang RE, I-40 Lang RM, 625 Langberg JJ, 1363 Langlet F, 935 Laniado S, 795 Lanti M, 935 Laragh JH, 997, 1297 Larkin S, 1072 Lattanzi F. 654 Lazzara R, 806 Lease JG, 1356 Lecorf G, 353 Lee KL, 1090, 1100 Lee MM, 151 Lefkowitz CA, 915 Lehmann MH, 837 Leinbach RC, 670 Lembo G, 849, 997 Lembo NJ, 830 Lense L, 607 Leosco D, 1306 Lerman BB, 131 Levine JH, 70, 445, 1149 Levison H, 1055 Liang C-s, 705 Liebeskind D, 96 Lilly DR, 745 Lindpaintner K, I-18 Lindsay BD, 122 Linz W. I-18 Lishimoto C, 645 Llorens R, 1319 Lock JE, 1062, 1068 Louis WJ, 787 Lowe JE, 33 Lucore CL, 660, 906 Luijten HE, 361 Lundin L, 264 Lupovetsky B, 270 Lytle B, 1238

M

MacIntyre I, 1072
Maciolowski M, 270
Madias NE, 696
Maier GW, 240
Malfatto G, 1139
Malinverni R, 182
Manyari DE, 86
Marantz PR, 607
Marban E, 685
Marbet GA, 353
Marchlinski FE, 569, 759, 1030
Marcus ML, 328, 873, 1108
Mark AL, 279
Mark DB, 151

Markham J, 122 Martin GV, 345 Martin JME, 209 Martins JB, 1038 Maruschak G. 886 Masud Z, 1324 Masuyama T, 78 Matsuda H, 62 Matsuhisa M, 560 Matsuyama K, 535 Maughan WL, 1203 Mautner H-P, 172 Maxwell MH, 501A Mayer DC, 188 Mayer JE, 1333 Maynard C, 345 McCarthy EA, 298 McCauley J, 696 McDonald RH, 504 McEwan JR, 1072 McGovern BA, 696 McKay CR, 1013 McNatt J, 678 McPherson DD, 328 Mehmel HC, 172 Meijboom EJ, 311 Melin JA, 927 Menon AS, 407 Mertens DJ, 162 Michel C, 927 Michelson EL, 445 Miller GAH, 353 Miller JF, 543, 830 Miller JM, 569, 759, 1030 Minamino T, 526 Misaki T, 645 Mishima M, 526 Miyachi K, 301 Moffett C, 1424 Mohl W. 6 Mombaerts P, 353 Monrad ES, 613, 1345 Montoya A, 1324 Moore EN, 445, 1149 Moore GW, 1250 Moores W, 1324 Morady F, 289 Morikami Y, 535 Moritz T, 1324 Morris KG, 151 Most AS, 1403 Muders F, 398 Muhlbaier LH, 240 Mullane K, I-30 Müller FB, 1297 Mullins CE, 188 Murakami T, 613, 1345 Musewe NN, 1055 Myers TJ, 188

N

Nable EG, 43
Nachowiak DA, 906
Nadeau R, 499
Nakagawa H, 560
Nakajima H, 1022
Nakatani S, 78
Natsume T, 1370
Nattel S, 200
Neaton JD, 504
Nelson G, 1311
Nelson SD, 289

Myers WO, 815

Neumann A, 625 Nevola E, 767 Newell JB, 415, 696 Newman H, 1311 Newman WP III, 856 Nicod P, 457 Nitenberg A, 337 Nitenberg A, 337 Nikano S, 62 Nody AC, 316 Noma S, 221 Nonogi H, 613, 967, 1345 Norheim I, 264 Norris R, 1311 Nozawa T, 1116

0

Öberg K, 264 O'Brien W, 1266 O'Callaghan WG, 151 O'Connor CM, 151 Odom-Maryon T, 1013 Ogawa M, 62 Ohe T, 560 Ohno A, 1022 Okada RD, 491 Okumura K, 535, 1003 O'Laughlin MP, 188 Oliner CA, 745 Olshansky B, 1003, 1038 Olsson CG, 353 Ondetti MA, I-74 O'Neil J, 1238 O'Neill W, 1090, 1100 O'Rourke M, 1311 O'Rourke RA, 830 Overholser CD, 182 Ovitt T, 1324

P

Pace DP, 915 Packer DL, 1291 Packer M, 721, I-64 Pacold I, 1324 Pagé P, 499, 1162 Palmaz JC, 188 Papa M, 1306 Páramo JA, 1319 Parikh D, 1324 Parise K, 1013 Parmley WW, 712 Parness I, 1068, 1333 Pascher EW, 398 Pasternak RC, 964 Paulson OB, I-55 Pecker MS, 1297 Pedersen EV, I-55 Pelc L, 478 Perloff D, 501A Peter RH, 151 Peterson KL, 457 Pettinger M, 815, 897 Phillips HR, 151 Picano E, 654 Pickering TG, 1297 Pilcher G, 316 Pinkerton CA, 1100 Pitt B, 1100 Plumb VJ, 1003 Policicchio A, 767 Pouleur H, 927, 1081 Pressley JC, 1291

AUTHOR INDEX

Pritchett ELC, ∠98 Proctor KG, 1177 Prystowsky EN, 1291 Puddu PE, 935

0

Quaegebeur JM, 311 Quantz M, 200

R

Rackow EC, 234 Raessler K. 240 Raftos J, 1311 Rahimtoola SH, 1013 Rahmberg M. 209 Rajfer SI, 625 Ramirez NM, 151 Rankin JS, 240 Rassi A Jr, 543 Raya TE, 1424 Re R. I-14 Read R, 1324 Reale A, 935 Reeder GS, 638 Reiber JHC, 361 Reichek N, 1376 Reid CL, 1013 Reimer KA, 33 Reisman J, 1055 Rengo F, 1306 Restivo M, 429 Restrepo C, 856 Rettig R, I-40 Rhyne TL, 478 Richards KL, 543, 830 Riegger GAJ, 398 Ritchie JL, 345 Rivers J, 1311 Roberge F, 1162 Robert A, 927 Rocha E, 1319 Rockenmacher S, 1062 Roden DM, 380 Ropella KM, 1047 Rosen MR, 251, 1139 Rosen TS, 1139 Rosenberg MC, 484 Rosenfeld GI, 886 Rosenthal ME, 569, 581 Rossini A, 767 Roth D, 86 Roth H, 172 Rothbaum D, 1100 Roubin GS, 316, 372, 820 Rousseau MF, 1081 Rovigatti U, I-14 Roy L, 142 Rumancik WM, 96 Runnalls M, 1266 Ruskin JN, 110, 696 Rutan GH, 504 Ryan JM, 745

S

Sadowsky D, 1316 Safar ME, 947 Sagar KB, 478 Sahakian AV, 1047 Sahn DJ, 104, 736 Sakai O, 1022 Sakai Y, 301 Sakamoto S. 705 Sako Y, 1324 Salvadori M, 654 Sanders AB, 240 Sanders JS, 279 Sanders SP, 1333 Sano T, 62 Sasayama S, 1022 Sato I, 560 Savard P. 499, 1162 Sawyer P, 162 Schaapherder AFM, 1125 Schatz RA, 188 Schechtman KB, 122 Scheurlen H, 172 Schlierf G, 172 Schmaltz S. 289 Schmidt CG, 1030 Schmidt JF, I-55 Schneider J, 967 Schneider K, 967 Schoelkens BA, I-18 Scholtens E, I-24 Schuessler RB, 1221 Schuger C, 392 Schuler G, 172 Schwarz F, 172 Selwyn AP, 43 Selzer A, 955 Serruys PW, 361 Sethi G, 1324 Shabetai R, 1, 1324 Sharma GVRK, 1324 Shatkin S Jr, 1177 Sheehan FH, 345 Shelnova S, 270 Shenasa M, 499, 1162 Sherman FS, 736 Shestov D, 270 Shimazaki Y, 62 Shimizu A, 560 Shimomura K, 560 Sholler GF, 1333 Sievers R, 712 Siliprandi N, 767 Simonton CA, 151 Simpson I, 104, 736 Skibinski CI, 1238 Skorton DJ, 328, 873 Sladek K, 1245 Slutsky AS, 407 Smith JM, 110 Smith TW, 787 Smith WM, 504 Sobel BE, 660, 906 Sotobata I, 301 Southern JF, 978 Spear JF, 445, 1149 Srinivasan SR, 856 Stack RS, 151, 1090, 1100 Stadius M, 345 Stahl LD, 865 Stamato NJ, 569, 581 Steingart RM, 607 Stern S, 392 Stets G, 484 Stone CK, 705 Strom J, 774 Strong JP, 856 Stump D, 1090, 1100 Suga H, 468, 1116 Sullivan MJ, 552

Saito T. 670

Sutton PMI, 1266 Suzuki F, I-18 Swanton RH, 1266 Swensson RE, 736 Swiryn S, 1047 Syrjanen ML, 787 Szczeklik A, 1245 Szczerba A, 1245

T

Taggart P, 1266 Takaoka K. 535 Talley JD, 820 TAMI Study Group, 1090, 1100 Tanaka N, 1116 Taniguchi K, 62 Tateishi T, 1370 Tavolaro O, 337 Tchou P. 837 Teicher M, 774 ten Katen HJ, 361 Theodorsson-Norheim E, 264 Thomas JD, 415, 978 Thomas RG, 372 Thompson KA, 380 Thorn MD, 270 Thumm M, 172 Tobin JN, 607 Toivonen LK, 289 Tono-oka I, 1283 Topol EJ, 886, 1090, 1100 Toyo-oka T, 1370 Toyosaki N, 1370 Tracy RE, 856 Treasure T, 1266 Trenor AM, 1319 Trimarco B, 849, 997 Trobaugh GB, 270 Trusler GA, 1055 Tsuiki K, 1283 Turina M, 967 Tzivoni D, 392

U

Uenishi M, 1116 Unger T, 1-40 U.S.-U.S.S.R. Steering Committee for Cardiovascular Area 1, 270

 \mathbf{V}

Valdes-Cruz LM, 736 Valeri CR, 110 van Capelle FIL, 589 van den Brand M, 361 van Es GA, 361 van Eyll C, 1081 van Gilst WH, I-24 van Hemel NM, 589 Vecchione F, 849 Vermeulen M, 1162 Verstraete M, 353 Vick GW III, 188 Volpe M, 849, 997 Voors AW, 856 Vorstrup S, I-55

W

Wachspress J, 607
Waldemar G, I-55
Waldo AL, 1003
Walsh EP, 1062, 1333
Walsh RA, 1276
Wann LS, 478
Warltier DC, 478
Wassertheil-Smoller S, 607
Watabe S, 301
Watson DD, 745
Watters TA, 712
Webber LS, 856
Weidman WH, 501A
Weil MH, 234
Weiner DA, 897
Weintraub WS, 372, 820
Weisman HF, 685
Weiss HR, 865
Weiss JL, 886
Wentworth DN, 504
Wernovsky G, 1333
Wessel DL, 1068
Wesseling H, I-24
West JE, 1297

Westlin W, I-30 Wexler JP, 607 Weyman AE, 415, 978 White CW, 873 White H, 1311 White RI, 70 Whitlock R, 1311 Wijns W, 927 Wikman-Coffelt J, 712 Wilde AAM, 589 Wilhelm MJ, I-18 Wilkes D, 1055 Wilkins GT, 415, 978 Wilkinson WE, 298 Willerson JT, 678 Williams GH, I-59 Williams S, 491 Wilms-Schopman FJG, 1125 Wilson RF, 873 Wirth A, 172 Wisenbaugh T, 515 Wismann T, 457 Woolridge J, 1311 Woosley RL, 380 Wu ST, 712

Wyse RKH, 311

Y

Yabuuchi H, 62 Yacoub MH, 162 Yaginuma T, 1370 Yamada O, 468 Yamada Y, 301 Yamaki M, 1283 Yasuda T, 670 Yasue H, 535 Yasui S, 1283 Yasumura Y, 1116 Yeung Lai Wah JA, 806

Z

Zadina K, 1324 Zhurkovski G, 270 Zimrin D, 1376 Zipes DP, 1395 Ziskind AA, 670

Acetylcholine

Multivessel coronary spasm in patients with variant angina: a study with intracoronary injection of acetylcholine, 535

Combined use of nitroglycerin and N-acetylcysteine in the management of unstable angina pectoris, 787

Acidosis

Improved hemodynamic function during hypoxia with carbicarb, a new agent for the management of acidosis, 227

Action potentials

Monophasic action potentials at discontinuation of cardiopulmonary bypass: evidence for contraction-excitation feedback in man, 1266

Comparative clinical and electrophysiologic effects of adenosine triphosphate and verapamil on paroxysmal reciprocating junctional tachycardia, 795

Afterload

The effect of changes in afterload on systolic bulging, 221

The antiarrhythmic efficacy of amiodarone and desethylamiodarone, alone and in combination, in dogs with acute myocardial infarction, 200

Angina

Antianginal effects of intravenous nitroglycerin over 24 hours, 1376 Combination therapy with diltiazem and nifedipine in patients with effort angina pectoris, 1370

Combined use of nitroglycerin and N-acetylcysteine in the management of unstable angina pectoris, 787

Diltiazem, nifedipine, and their combination in patients with stable angina pectoris: effects on angina, exercise tolerance, and the ambulatory electrocardiographic ST segment, 774

Improvement of treadmill capacity and collateral circulation as a result of exercise with heparin pretreatment in patients with effort

Multivessel coronary spasm in patients with variant angina: a study

with intracoronary injection of acetylcholine, 535 New diagnostic evidence on the T wave map indicating involved coronary artery in patients with angina pectoris, 301

Prevalence of ischemic resting and stress electrocardiographic abnormalities and angina among 40- to 59-year-old men in selected U.S. and U.S.S.R. populations, 270

The role of intracoronary thrombus in unstable angina: angiographic assessment and thrombolytic therapy during ongoing anginal attacks, 526

Angioplasty

Clinical outcome 5 years after attempted percutaneous transluminal coronary angioplasty in 427 patients, 820

Coronary perfusion during acute myocardial infarction with a combined therapy of coronary angioplasty and high-dose intravenous streptokinase, 151

Degree of revascularization in patients with multivessel coronary disease: a report from the National Heart, Lung, and Blood Institute Percutaneous Transluminal Coronary Angioplasty Registry, 638

The effect of coronary angioplasty on coronary flow reserve, 873 Angiotensin converting-enzyme inhibitors

Differential influences of angiotensin converting-enzyme inhibitors on the coronary circulation, I-24

Structural relationships of angiotensin converting-enzyme inhibitors to pharmacologic activity, I-74

Animal research

The domination of knowledge by ignorance: politics and regulation of animal research for diagnosis and treatment of disease, 1197

Antibiotic prophylaxis of experimental endocarditis after dental extractions, 182

Antiplatelet therapy

Improvement in early saphenous vein graft patency after coronary artery bypass surgery with antiplatelet therapy: results of a Veterans Administration Cooperative Study, 1324

Aortic valve

Differing mechanisms of exercise flow augmentation at the mitral and aortic valves, 543

Aortic valve replacement

Time course of regression of left ventricular hypertrophy after aortic valve replacement, 1345

Arachidonic acid

Modulation of arteriolar blood flow by inhibitors of arachidonic acid oxidation after thermal injury: possible role for a novel class of vasodilator metabolites, 1185

Arrhythmia

Anisotropic conduction and functional dissociation of ischemic tissue during reentrant ventricular tachycardia in canine myocardial in-

Antiarrhythmic activity, electrocardiographic effects, and pharmacokinetics of the encainide metabolites O-desmethyl encainide and 3methoxy-O-desmethyl encainide in man, 380

Atriofascicular connection or a nodoventricular Mahaim fiber? Electrophysiologic elucidation of the pathway and associated reentrant circuit, 837

Autonomic modulation of ventricular arrhythmia in cesium chlorideinduced long QT syndrome, 1149

Circadian occurrence of symptomatic paroxysmal supraventricular tachycardia in untreated patients, 298

Comparative clinical and electrophysiologic effects of adenosine triphosphate and verapamil on paroxysmal reciprocating junctional tachycardia, 795

Cryosurgical ablation of atrioventricular nodal reentry: histologic localization of the proximal common pathway, 1356

The effect of potassium ion depletion on postinfarction canine cardiac arrhythmias, 696

Effects of lidocaine and procainamide on normal and abnormal intraventricular electrograms during sinus rhythm, 1030

Effects of procainamide on intra-atrial electrograms during atrial fibrillation: implication for detection algorithms, 1047

Electrogram patterns predicting successful catheter ablation of ventricular tachycardia, 806

Energy, current, and success in defibrillation and cardioversion: clinical studies with the use of an automated impedance-based method of energy adjustment, 1038

Entrainment of ventricular tachycardia: explanation for surface electrocardiographic phenomena by analysis of electrograms recorded within the tachycardia circuit, 569

Identification of ventricular tachycardia with use of the morphology of the endocardial electrogram, 1363

Idiopathic sustained left ventricular tachycardia: clinical and electrophysiologic characteristics, 560

Magnesium suppression of early afterdepolarizations and ventricular tachyarrhythmias induced by cesium in dogs, 1395 Prevention of postischemic ventricular fibrillation late after right or

left stellate ganglionectomy in dogs, 935

Reentrant ventricular rhythms in the late myocardial infarction period: prevention of reentry by dual stimulation during basic rhythm,

Reentry as a cause of ventricular tachycardia in patients with chronic ischemic heart disease: electrophysiologic and anatomic correla-

Resetting of ventricular tachycardia with electrocardiographic fusion: incidence and significance, 581

The response to overdrive pacing of triggered atrial and ventricular arrhythmias in the canine heart, 1139

Treatment of torsade de pointes with magnesium sulfate, 392

Arterial pressure pulse

Wideband external pulse recording during cuff deflation: a new technique for evaluation of the arterial pressure pulse and measurement of blood pressure, 1297

Arterial switch operation

Midterm results after the arterial switch operation for transposition of the great arteries with intact ventricular septum: clinical, hemodynamic, echocardiographic, and electrophysiologic data, 1333

Atherosclerosis

Dilation of normal and constriction of atherosclerotic coronary arteries caused by the cold pressor test, 43

The potential role of viruses in the pathogenesis of atherosclerosis,

^{*}Roman numbers indicate articles published in supplements.

Time domain echo pattern evaluations from normal and atherosclerotic arterial walls: a study in vitro, 654

ATP

Contractile dysfunction and ATP depletion after transient calcium overload in perfused rabbit hearts, 685

Atrial natriuretic factor

Potentiation by atrial natriuretic factor of the forearm vasoconstriction induced by cardiopulmonary receptor deactivation in man, 849

Reduction of atrial natriuretic factor circulating levels by endogenous sympathetic activation in hypertensive patients, 997

Atrial natriuretic peptide

Atrial natriuretic peptide in congestive heart failure in the dog: plasma levels, cyclic guanosine monophosphate, ultrastructure of atrial myoendocrine cells, and hemodynamic, hormonal, and renal effects. 398

Atrial pacemaker complex

Demonstration of a widely distributed atrial pacemaker complex in the human heart, 1221

Atriofascicular connection

Atriofascicular connection or a nodoventricular Mahaim fiber? Electrophysiologic elucidation of the pathway and associated reentrant circuit. 837

Autoregulation

The effect of hypertension and left ventricular hypertrophy on the lower range of coronary autoregulation, 1108

B

Bacterial endocarditis

Recommendations for the prevention of bacterial endocarditis: compliance by dental general practitioners, 1316

Baroreflexes

Arterial baroreflex control of sympathetic nerve activity during elevation of blood pressure in normal man: dominance of aortic baroreflexes, 279

Blood pressure

Arterial baroreflex control of sympathetic nerve activity during elevation of blood pressure in normal man: dominance of aortic baroreflexes. 279

The association between blood pressure, age, and dietary sodium and potassium: a population study, 53

Diagnostic value of the ratio of recovery systolic blood pressure to peak exercise systolic blood pressure for the detection of coronary artery disease, 1306

Recommendations for human blood pressure determination by sphygmomanometers. Report of a Special Task Force appointed by the Steering Committee, American Heart Association, 501A

Wideband external pulse recording during cuff deflation: a new technique for evaluation of the arterial pressure pulse and measurement of blood pressure, 1297

Body surface mapping

Diagnosis of right ventricular involvement in chronic inferior myocardial infarction by means of body surface QRS changes, 1283

Bogalusa Heart Study

Black-white differences in aortic fatty streaks in adolescence and early adulthood: the Bogalusa Heart Study, 856

Brain angiotensin

Brain angiotensin: pathways and pharmacology, I-40

Bundle branch block

Identification of patients with sustained ventricular tachycardia by frequency analysis of signal-averaged electrocardiograms despite the presence of bundle branch block, 122

C

Calcitonin gene-related peptide

Vasodilation by calcitonin gene-related peptide and by substance P: a comparison of their effects on resistance and capacitance vessels of human forearms, 1072

Calcium

Contractile dysfunction and ATP depletion after transient calcium overload in perfused rabbit hearts, 685

Captopril

Does captopril attentuate reperfusion-induced myocardial dysfunction by scavenging free radicals? I-30

Carbicarb

Improved hemodynamic function during hypoxia with carbicarb, a new agent for the management of acidosis, 227

Carbon dioxide

Expired carbon dioxide: a noninvasive monitor of cardiopulmonary resuscitation, 234

Carcinoid heart disease

Carcinoid heart disease: relationship of circulating substances to ultrasound-detectable cardiac abnormalities, 264

Cardiac catheterization

Prognostic utility of the exercise thallium-201 test in ambulatory patients with chest pain: comparison with cardiac catheterization, 745

Cardiac pressure

Pericardial and cardiac pressure, 1

Cardiac surgery

Does desmopressin acetate reduce blood loss after surgery in patients on cardiopulmonary bypass? 1319

Cardiac transplantation

Cardiorespiratory responses to exercise training after orthotopic cardiac transplantation, 162

Cardiomyopathy

Direct myocardial and coronary effects of enalaprilat in patients with dilated cardiomyopathy: assessment by a bilateral intracoronary infusion technique, 337

Cardiopulmonary bypass

Does desmopressin acetate reduce blood loss after surgery in patients on cardiopulmonary bypass? 1319

Monophasic action potentials at discontinuation of cardiopulmonary bypass: evidence for contraction-excitation feedback in man, 1266

Cardiopulmonary resuscitation

Expired carbon dioxide: a noninvasive monitor of cardiopulmonary resuscitation, 234

Influence of compression rate on initial success of resuscitation and 24 hour survival after prolonged manual cardiopulmonary resuscitation in dogs, 240

Cardiovascular reflexes

Potentiation by atrial natriuretic factor of the forearm vasoconstriction induced by cardiopulmonary receptor deactivation in man, 849

L-Carnitine

Increases in walking distance in patients with peripheral vascular disease treated with L-carnitine: a double-blind, crossover study, 767

Catheter ablation

Electrogram patterns predicting successful catheter ablation of ventricular tachycardia, 806

Cellular biology

New approaches to the study of the cellular biology of the cardiovascular system, I-14 Cerebral blood flow

Role of angiotensin in autoregulation of cerebral blood flow, I-55

Magnesium suppression of early afterdepolarizations and ventricular tachyarrhythmias induced by cesium in dogs, 1395

Cineangiography

Quantitative cineangiographic analysis of ventricular volume and mass in patients with single ventricle: relation to ventricular morphologies, 62

Coarctation of the aorta

Color Doppler flow mapping in patients with coarctation of the aorta: new observations and improved evaluation with color flow diameter and proximal acceleration as predictors of severity, 736

Cold pressor test

Dilation of normal and constriction of atherosclerotic coronary arteries caused by the cold pressor test, 43

Collateral circulation

Improvement of treadmill capacity and collateral circulation as a result of exercise with heparin pretreatment in patients with effort angina, 1022

Compression rate

Influence of compression rate on initial success of resuscitation and

24 hour survival after prolonged manual cardiopulmonary resuscitation in dogs, 240

Conduction

Modulation of conduction slowing in ischemic rabbit myocardium by calcium-channel activation and blockade, 1385

Congenital heart disease

Cardiopulmonary adaptation at rest and during exercise 10 years after Mustard atrial repair for transposition of the great arteries, 1055 Implantation of balloon-expandable intravascular grafts by catheter-

ization in pulmonary arteries and systemic veins, 188 Late results in patients with tetralogy of Fallot repaired during infan-

cy, 1062 Outpatient closure of the patent ductus arteriosus, 1068

Congestive heart failure

Atrial natriuretic peptide in congestive heart failure in the dog: plasma levels, cyclic guanosine monophosphate, ultrastructure of atrial myoendocrine cells, and hemodynamic, hormonal, and renal

Interaction of prostaglandins and angiotensin II in the modulation of renal function in congestive heart failure, I-64

Neurohormonal interactions and adaptations in congestive heart fail-

Contractility

Contractile dysfunction and ATP depletion after transient calcium overload in perfused rabbit hearts, 685

Coronary angioplasty

Angiographic and clinical predictors of acute closure after native vessel coronary angioplasty, 372

Incidence of restenosis after successful coronary angioplasty: a timerelated phenomenon. A quantitative angiographic study in 342 patients at 1, 2, 3, and 4 months, 361

Coronary arteries

Development of the coronary arteries in the embryonic human heart, 1250

Coronary artery bypass surgery Immediate enhancement of left ventricular relaxation by coronary artery bypass grafting: intraoperative assessment, 886

Improvement in early saphenous vein graft patency after coronary artery bypass surgery with antiplatelet therapy: results of a Veterans Administration Cooperative Study, 1324

Serum Lp(a) level as a predictor of vein graft stenosis after coronary artery bypass surgery in patients, 1238

Coronary artery disease

Clinical outcome 5 years after attempted percutaneous transluminal

coronary angioplasty in 427 patients, \$20 Diagnostic value of the ratio of recovery systolic blood pressure to peak exercise systolic blood pressure for the detection of coronary artery disease, 1306

Immediate enhancement of left ventricular relaxation by coronary artery bypass grafting: intraoperative assessment, 886

Long-term effects of xamoterol on left ventricular diastolic function and late remodeling: a study in patients with anterior myocardial infarction and single-vessel disease, 1081

Low-fat diet and regular, supervised physical exercise in patients with symptomatic coronary artery disease: reduction of stressinduced myocardial ischemia, 172

Quantification of absolute luminal diameter by computer-analyzed digital subtraction angiography: an assessment in human coronary arteries, 484

Quantitative rotational thallium-201 tomography for identifying and localizing coronary artery disease, 316

Relationship between the 12-lead electrocardiogram during ventricular tachycardia and endocardial site of origin in patients with coronary artery disease, 759

ST segment elevation with exercise: a marker for poor ventricular function and poor prognosis. Coronary Artery Surgery Study confirmation of Seattle Heart Watch results, 897

Videodenistometric analysis of human coronary stenoses: validation in vivo by intraoperative high-frequency epicardial echocardiography, 328

Coronary Artery Surgery Study

Clinical implications of internal mammary artery bypass grafts: the Coronary Artery Surgery Study experience, 815

ST segment elevation with exercise: a marker for poor ventricular

function and poor prognosis. Coronary Artery Surgery Study confirmation of Seattle Heart Watch results, 897

Coronary flow reserve

The effect of coronary angioplasty on coronary flow reserve, 873 Coronary sinus

The momentum of coronary sinus interventions clinically, 6

Coronary spasm

Multivessel coronary spasm in patients with variant angina: a study with intracoronary injection of acetylcholine, 535

Coxsackievirus

Serial immunologic identification of lymphocyte subsets in murine coxsackievirus B3 myocarditis: different kinetics and significance of lymphocyte subsets in the heart and peripheral blood, 645

D

Defibrillation

Energy, current, and success in defibrillation and cardioversion: clinical studies with the use of an automated impedance-based method of energy adjustment, 1038

Antibiotic prophylaxis of experimental endocarditis after dental extractions, 182

Desethylamiodarone

The antiarrhythmic efficacy of amiodarone and desethylamiodarone, alone and in combination, in dogs with acute myocardial infarc-

Desmopressin

Does desmopressin acetate reduce blood loss after surgery in patients on cardiopulmonary bypass? 1319

Digital angiography

Quantification of absolute luminal diameter by computer-analyzed digital subtraction angiography: an assessment in human coronary arteries, 484

Dilated cardiomyopathy

Physiologic mechanisms governing hemodynamic responses to positive inotropic therapy in patients with dilated cardiomyopathy, 625

Combination therapy with diltiazem and nifedipine in patients with effort angina pectoris, 1370

Diltiazem, nifedipine, and their combination in patients with stable angina pectoris: effects on angina, exercise tolerance, and the ambulatory electrocardiographic ST segment, 774

Doppler echocardiography

Value and limitations of Doppler echocardiography in the quantification of stenotic mitral valve area: comparison of the pressure halftime and the continuity equation methods, 78

Doppler flow mapping

Color Doppler flow mapping in patients with coarctation of the aorta: new observations and improved evaluation with color flow diameter and proximal acceleration as predictors of severity, 736

Double-outlet right ventricle

Arrested rotation of the outflow tract may explain double-outlet right ventricle, 1258

Echocardiography

The contribution of magnetic resonance imaging to the evaluation of intracardiac tumors diagnosed by echocardiography, 96

Correlation between echocardiographic endocardial surface mapping of abnormal wall motion and pathologic infarct size in autopsied

Doppler mapping of postoperative left atrioventricular valve regurgitation, 311

Improved accuracy of echocardiographic endocardial borders by spatiotemporal filtered Fourier reconstruction: description of the method and optimization of filter cutoffs, 415

Videodenistometric analysis of human coronary stenoses: validation in vivo by intraoperative high-frequency epicardial echocardiog-

The domination of knowledge by ignorance: politics and regulation of

animal research for diagnosis and treatment of disease, 1197

The potential role of viruses in the pathogenesis of atherosclerosis, 964

Electrical alternans

Electrical alternans and cardiac electrical instability, 110

Electrocardiography

Diltiazem, nifedipine, and their combination in patients with stable angina pectoris: effects on angina, exercise tolerance, and the ambulatory electrocardiographic ST segment, 774

Entrainment of ventricular tachycardia: explanation for surface electrocardiographic phenomena by analysis of electrograms recorded within the tachycardia circuit, 569

New diagnostic evidence on the T wave map indicating involved coronary artery in patients with angina pectoris, 301

Prevalence of ischemic resting and stress electrocardiographic abnormalities and angina among 40- to 59-year-old men in selected U.S. and U.S.S.R. populations, 270

Relationship between the 12-lead electrocardiogram during ventricular tachycardia and endocardial site of origin in patients with coronary artery disease, 759

Resetting of ventricular tachycardia with electrocardiographic fusion: incidence and significance, 581

Electrogram patterns

Electrogram patterns predicting successful catheter ablation of ventricular tachycardia, 806

Electrophysiology

Accentuated antagonism between β-adrenergic and vagal effects on ventricular refractoriness in humans, 289

Atriofascicular connection or a nodoventricular Mahaim fiber? Electrophysiologic elucidation of the pathway and associated reentrant circuit, 837

Comparative clinical and electrophysiologic effects of adenosine triphosphate and verapamil on paroxysmal reciprocating junctional tachycardia, 795

Demonstration of a widely distributed atrial pacemaker complex in the human heart, 1221

Distribution of extracellular potassium and its relation to electrophysiologic changes during acute myocardial infarction in the isolated porcine heart, 1125

Effects of procainamide on intra-atrial electrograms during atrial fibrillation: implication for detection algorithms, 1047

A fourth criterion for transient entrainment: the electrogram equivalent of progressive fusion, 1003

Identification of ventricular tachycardia with use of the morphology of the endocardial electrogram, 1363

Idiopathic sustained left ventricular tachycardia: clinical and electrophysiologic characteristics, 560

The links between basic and clinical electrophysiology, 251

Reentry as a cause of ventricular tachycardia in patients with chronic ischemic heart disease: electrophysiologic and anatomic correlation, 589

Surgical ablation of ventricular tachycardia with sequential mapguided subendocardial resection: electrophysiologic assessment and long-term follow-up, 131 Time-dependent change in electrophysiologic milieu after myocardi-

al infarction in conscious dogs, 209

Embryology

Development of the coronary arteries in the embryonic human heart, 1250

Enalaprilat

Direct myocardial and coronary effects of enalaprilat in patients with dilated cardiomyopathy: assessment by a bilateral intracoronary infusion technique, 337

Encainide

Antiarrhythmic activity, electrocardiographic effects, and pharmacokinetics of the encainide metabolites O-desmethyl encainide and 3methoxy-O-desmethyl encainide in man, 380

Endocarditis

Antibiotic prophylaxis of experimental endocarditis after dental extractions, 182

Energy transfer

Efficiency of energy transfer from pressure-volume area to external mechanical work increases with contractile state and decreases with afterload in the left ventricle of the anesthetized closed-chest dog, 1116

Exercise

Abnormal exercise hemodynamics in patients with normal systolic function late after aortic valve replacement, 613

Differing mechanisms of exercise flow augmentation at the mitral and aortic valves, 543

Improvement in exercise capacity and exercise hemodynamics 3 months after double-balloon, catheter balloon valvuloplasty treatment of patients with symptomatic mitral stenosis, 1013

Improvement of treadmill capacity and collateral circulation as a result of exercise with heparin pretreatment in patients with effort angina, 1022

Increased exercise ventilation in patients with chronic heart failure: intact ventilatory control despite hemodynamic and pulmonary abnormalities, 552

Myocardial structure in patients with exercise-induced ischemia, 967 Prognostic utility of the exercise thallium-201 test in ambulatory patients with chest pain: comparison with cardiac catheterization, 745

ST segment elevation with exercise: a marker for poor ventricular function and poor prognosis. Coronary Artery Surgery Study confirmation of Seattle Heart Watch results, 897

Exercise training

Cardiorespiratory responses to exercise training after orthotopic cardiac transplantation, 162

Low-fat diet and regular, supervised physical exercise in patients with symptomatic coronary artery disease: reduction of stress-induced myocardial ischemia, 172

F

Fatty streaks

Black-white differences in aortic fatty streaks in adolescence and early adulthood: the Bogalusa Heart Study, 856

Fetal heart development

Development of the coronary arteries in the embryonic human heart, 1250

Frank-Starling mechanism

Hyperkinesis without the Frank-Starling mechanism in a nonischemic region of acutely ischemic excised canine heart, 468

Free radicals

Does captopril attentuate reperfusion-induced myocardial dysfunction by scavenging free radicals? I-30

Frequency analysis

Identification of patients with sustained ventricular tachycardia by frequency analysis of signal-averaged electrocardiograms despite the presence of bundle branch block, 122

G

Ganglionectomy

Prevention of postischemic ventricular fibrillation late after right or left stellate ganglionectomy in dogs, 935

Glucos

Assessment of thallium-201 redistribution versus glucose uptake as predictors of viability after coronary occlusion and reperfusion, 927

н

Heart failure

Increased exercise ventilation in patients with chronic heart failure: intact ventilatory control despite hemodynamic and pulmonary abnormalities, 552

The relationship between left ventricular systolic function and congestive heart failure diagnosed by clinical criteria, 607

Heart rate

Mechanisms mediating the heart rate response to hypoxia, 407
Hemodynamics

Improved hemodynamic function during hypoxia with carbicarb, a new agent for the management of acidosis, 227

Heparin

Improvement of treadmill capacity and collateral circulation as a

result of exercise with heparin pretreatment in patients with effort angina, 1022

Histology

Cryosurgical ablation of atrioventricular nodal reentry: histologic localization of the proximal common pathway, 1356

History of cardiology

Fifty years of progress in cardiology: a personal perspective, 955

Hypertension

Angiotensin and the renal circulation in hypertension, I-59

The effect of hypertension and left ventricular hypertrophy on the lower range of coronary autoregulation, 1108

Large conduit arteries in hypertension: role of the vascular reninangiotensin system, 947

Mortality associated with diastolic hypertension and isolated systolic hypertension among men screened for the Multiple Risk Factor Intervention Trial, 504

Reduction of atrial natriuretic factor circulating levels by endogenous sympathetic activation in hypertensive patients, 997

Hypoxia

Improved hemodynamic function during hypoxia with carbicarb, a new agent for the management of acidosis, 227

Mechanisms mediating the heart rate response to hypoxia, 407

I

Immunoglobulin E

Serum immunoglobulin E response to myocardial infarction, 1245 Immunology

Serial immunologic identification of lymphocyte subsets in murine coxsackievirus B3 myocarditis: different kinetics and significance of lymphocyte subsets in the heart and peripheral blood, 645

Internal mammary artery grafts

Clinical implications of internal mammary artery bypass grafts: the Coronary Artery Surgery Study experience, 815

Intracardiac tumors

The contribution of magnetic resonance imaging to the evaluation of intracardiac tumors diagnosed by echocardiography, 96

Intravascular grafts

Implantation of balloon-expandable intravascular grafts by catheterization in pulmonary arteries and systemic veins, 188

Ischemi

Anisotropic conduction and functional dissociation of ischemic tissue during reentrant ventricular tachycardia in canine myocardial infarction, 1162

Contractile dysfunction and ATP depletion after transient calcium overload in perfused rabbit hearts, 685

The effect of potassium ion depletion on postinfarction canine cardiac arrhythmias, 696

Effect of pressure-controlled intermittent coronary sinus occlusion on pacing-induced myocardial ischemia in domestic swine, 1403

Hyperkinesis without the Frank-Starling mechanism in a nonischemic region of acutely ischemic excised canine heart, 468

Insights into the pathogenesis of acute ischemic syndromes, 1213
Modulation of conduction slowing in ischemic rabbit myocardium by
calcium-channel activation and blockade, 1385

Myocardial oxygen consumption, oxygen supply/demand heterogeneity, and microvascular patency in regionally stunned myocardium, 865

Myocardial structure in patients with exercise-induced ischemia, 967 Prevalence of ischemic resting and stress electrocardiographic abnormalities and angina among 40- to 59-year-old men in selected U.S. and U.S.S.R. populations, 270

Ischemic heart disease

Reentry as a cause of ventricular tachycardia in patients with chronic ischemic heart disease: electrophysiologic and anatomic correlation, 589

Isoarea mapping

Effects of coronary occlusion on cardiac and body surface PQRST isoarea maps of dogs with abnormal activation simulating left bundle branch block, 1414

PQRST isoarea maps from patients with Wolff-Parkinson-White syndrome: an index for global alterations of ventricular repolarization, 499

Isoproterenol

Improvement in myocardial performance without a decrease in high-

energy phosphate metabolites after isoproterenol in Syrian cardiomyopathic hamsters. 712

L

Left bundle branch block

Effects of coronary occlusion on cardiac and body surface PQRST isoarea maps of dogs with abnormal activation simulating left bundle branch block, 1414

Left ventricular hypertrophy

Time course of regression of left ventricular hypertrophy after aortic valve replacement, 1345

Lidocaine

Effects of lidocaine and procainamide on normal and abnormal intraventricular electrograms during sinus rhythm, 1030

Long QT syndrome

Autonomic modulation of ventricular arrhythmia in cesium chlorideinduced long QT syndrome, 1149

Low-fat die

Low-fat diet and regular, supervised physical exercises and interest with symptomatic coronary artery disease: reduction interest stress-induced myocardial ischemia, 172

Lp(a)

Serum Lp(a) level as a predictor of vein graft stenosis after coronary artery bypass surgery in patients, 1238

Lymphocyte subsets

Serial immunologic identification of lymphocyte subsets in murine coxsackievirus B3 myocarditis: different kinetics and significance of lymphocyte subsets in the heart and peripheral blood, 645

M

Magnesium

Magnesium suppression of early afterdepolarizations and ventricular tachyarrhythmias induced by cesium in dogs, 1395

Treatment of torsade de pointes with magnesium sulfate, 392

Magnetic resonance imaging

Cine magnetic resonance imaging in patients with transposition of the great arteries after surgical repair, 104

The contribution of magnetic resonance imaging to the evaluation of intracardiac tumors diagnosed by echocardiography, 96

Mahaim fibers

Atriofascicular connection or a nodoventricular Mahaim fiber? Electrophysiologic elucidation of the pathway and associated reentrant circuit, 837

Mitral regurgitation

Does normal pump function belie muscle dysfunction in patients with chronic severe mitral regurgitation? 515

Mitral stenosis

Improvement in exercise capacity and exercise hemodynamics 3 months after double-balloon, catheter balloon valvuloplasty treatment of patients with symptomatic mitral stenosis, 1013

Value and limitations of Doppler echocardiography in the quantification of stenotic mitral valve area: comparison of the pressure halftime and the continuity equation methods, 78

Mitral valve

Differing mechanisms of exercise flow augmentation at the mitral and aortic valves, 543

Mitral valve prolapse

Mitral valve prolapse in patients with prior rheumatic fever, 830

Monoclonal antiplatelet GPIIb/IIIa

Rapid and sustained coronary artery recanalization with combined bolus injection of recombinant tissue-type plasminogen activator and monoclonal antiplatelet GPIIb/IIIa antibody in a canine preparation, 670

Mortality

Mortality associated with diastolic hypertension and isolated systolic hypertension among men screened for the Multiple Risk Factor Intervention Trial, 504

Multiple Risk Factor Intervention Trial

Mortality associated with diastolic hypertension and isolated systolic hypertension among men screened for the Multiple Risk Factor Intervention Trial, 504

Multivessel coronary disease

Degree of revascularization in patients with multivessel coronary disease: a report from the National Heart, Lung, and Blood Institute Percutaneous Transluminal Coronary Angioplasty Registry, 638

Mustard repair

Cardiopulmonary adaptation at rest and during exercise 10 years after Mustard atrial repair for transposition of the great arteries, 1055

Myocardial infarction

Anisotropic conduction and functional dissociation of ischemic tissue during reentrant ventricular tachycardia in canine myocardial infarction, 1162

The antiarrhythmic efficacy of amiodarone and desethylamiodarone, alone and in combination, in dogs with acute myocardial infarction, 200

Comparative effects of nitroprusside and pinacidil on myocardial blood flow and infarct size in awake dogs with acute myocardial infarction, 705

Correlation between echocardiographic endocardial surface mapping of abnormal wall motion and pathologic infarct size in autopsied hearts. 978

Diagnosis of right ventricular involvement in chronic inferior myocardial infarction by means of body surface QRS changes, 1283

The effects of a critical stenosis on myocardial blood flow, ventricular function, and infarct size after coronary reperfusion, 915

Inducible sustained ventricular tachycardia 4 years after experimental canine myocardial infarction: electrophysiologic and anatomic comparisons with early healed infarcts, 445

Limitation of myocardial infarction by early infusion of recombinant tissue-type plasminogen activator, 1311

Long-term effects of xamoterol on left ventricular diastolic function and late remodeling: a study in patients with anterior myocardial infarction and single-vessel disease, 1081

Quantitative analysis of right and left ventricular infarction in the presence of postinfarction ventricular septal defect, 33

Reentrant ventricular rhythms in the late myocardial infarction period: prevention of reentry by dual stimulation during basic rhythm, 429

Serial changes in left ventricular relaxation and chamber stiffness after large myocardial infarction in rats, 1424

Serum immunoglobulin E response to myocardial infarction, 1245 Time-dependent change in electrophysiologic milieu after myocardial infarction in conscious dogs, 209

The Western Washington Intravenous Streptokinase in Acute Myocardial Infarction Randomized Trial, 345

Myocardial performance

Improvement in myocardial performance without a decrease in highenergy phosphate metabolites after isoproterenol in Syrian cardiomyopathic hamsters, 712

Myocardial perfusion

Sequential thallium-201 myocardial perfusion studies after successful percutaneous transluminal coronary artery angioplasty: delayed resolution of exercise-induced scintigraphic abnormalities, 86

Myocardial structure

Myocardial structure in patients with exercise-induced ischemia, 967

N

NHLBI PTCA Registry

Degree of revascularization in patients with multivessel coronary disease: a report from the National Heart, Lung, and Blood Institute Percutaneous Transluminal Coronary Angioplasty Registry, 638

Nifedipine

Combination therapy with diltiazem and nifedipine in patients with effort angina, 1370

Diltiazem, nifedipine, and their combination in patients with stable angina pectoris: effects on angina, exercise tolerance, and the ambulatory electrocardiographic ST segment, 774

Nitroglycerin

Antianginal effects of intravenous nitroglycerin over 24 hours, 1376 Combined use of nitroglycerin and N-acetylcysteine in the management of unstable angina pectoris, 787

Nitroprusside

Comparative effects of nitroprusside and pinacidil on myocardial blood flow and infarct size in awake dogs with acute myocardial infarction. 705

Nuclear cardiology

Myocardial kinetics of technetium-99m-hexakis-2-methoxy-2-methylpropyl-isonitrile, 491

Quantitative rotational thallium-201 tomography for identifying and localizing coronary artery disease, 316

O

Occlusion

Effects of coronary occlusion on cardiac and body surface PQRST isoarea maps of dogs with abnormal activation simulating left bundle branch block, 1414

Outflow tract

Arrested rotation of the outflow tract may explain double-outlet right ventricle, 1258

Oxygen consumption

Myocardial oxygen consumption, oxygen supply/demand heterogeneity, and microvascular patency in regionally stunned myocardium, 865

P

Pacing

The response to overdrive pacing of triggered atrial and ventricular arrhythmias in the canine heart, 1139

Patent ductus arteriosus

Outpatient closure of the patent ductus arteriosus, 1068

Paul D. White Lecture

On future directions for cardiology. The Paul D. White Lecture, 13 Percutaneous transluminal coronary angioplasty

Sequential thallium-201 myocardial perfusion studies after successful percutaneous transluminal coronary artery angioplasty: delayed resolution of exercise-induced scintigraphic abnormalities, 86

Pericardial pressure

Pericardial and cardiac pressure, 1

Peripheral blood pressure

Apparent finger systolic pressures during cooling in patients with Raynaud's syndrome, 988

Peripheral vascular disease

Increases in walking distance in patients with peripheral vascular disease treated with L-carnitine: a double-blind, crossover study, 767

Perspectives

Fifty years of progress in cardiology: a personal perspective, 955 From 'Emax' to pressure-volume relations: a broader view, 1203 Insights into the pathogenesis of acute ischemic syndromes, 1213 Large conduit arteries in hypertension: role of the vascular reninangiotensin system, 947

The links between basic and clinical electrophysiology, 251

The momentum of coronary sinus interventions clinically, 6 Neurohormonal interactions and adaptations in congestive heart fail-

rectronormonal interactions and adaptations in congestive heart failure, 721
On future directions for cardiology. The Paul D. White Lecture, 13

Pericardial and cardiac pressure, 1

Synergism of thrombolytic agents: investigational procedures and clinical potential, 731

Pharmacology

Biochemical determinants of clearance of tissue-type plasminogen activator from the circulation, 906

Frequency-dependent effects of quinidine on the relationship between action potential duration and refractoriness in the canine heart in situ, 1177

Interactions of tissue-type plasminogen activator with plasma inhibitors and their pharmacologic implications, 660

Synergism of thrombolytic agents: investigational procedures and clinical potential, 731

Phosphate

Improvement in myocardial performance without a decrease in high-

energy phosphate metabolites after isoproterenol in Syrian cardiomyopathic hamsters, 712

Physiology

Physiologic mechanisms governing hemodynamic responses to positive inotropic therapy in patients with dilated cardiomyopathy, 625

Pinacidil

Comparative effects of nitroprusside and pinacidil on myocardial blood flow and infarct size in awake dogs with acute myocardial infarction, 705

Platelets

Marked platelet activation in vivo after intravenous streptokinase in patients with acute myocardial infarction, 142

Positive inotropic therapy

Physiologic mechanisms governing hemodynamic responses to positive inotropic therapy in patients with dilated cardiomyopathy, 625

The association between blood pressure, age, and dietary sodium and potassium: a population study, 53

Distribution of extracellular potassium and its relation to electrophysiologic changes during acute myocardial infarction in the isolated porcine heart, 1125

The effect of potassium ion depletion on postinfarction canine cardiac arrhythmias, 696

Pressure-controlled intermittent coronary sinus occlusion

Effect of pressure-controlled intermittent coronary sinus occlusion on pacing-induced myocardial ischemia in domestic swine, 1403

Pressure-volume relations

From 'Emax' to pressure-volume relations: a broader view, 1203
Right ventricular diastolic pressure-volume relations and regional
dimensions during acute alterations in loading conditions, 1276
Procalinamide

Effects of lidocaine and procainamide on normal and abnormal intraventricular electrograms during sinus rhythm, 1030

Effects of procainamide on intra-atrial electrograms during atrial fibrillation: implication for detection algorithms, 1047

Procainamide infusion test: inability to identify patients with Wolff-Parkinson-White syndrome who are potentially at risk of sudden death. 1291

Prognosis

Prognostic utility of the exercise thallium-201 test in ambulatory patients with chest pain: comparison with cardiac catheterization, 745

Prostaglandins

Interaction of prostaglandins and angiotensin II in the modulation of renal function in congestive heart failure, I-64

Pulmonary embolism

Intravenous and intrapulmonary recombinant tissue-type plasminogen activator in the treatment of acute massive pulmonary embolism: a pilot study, 353

Pulmonary stenosis

Changes in myocardial repolarization in patients undergoing balloon valvuloplasty for congenital pulmonary stenosis: evidence for contraction-excitation feedback in humans, 70

Pump function

Does normal pump function belie muscle dysfunction in patients with chronic severe mitral regurgitation? 515

Q

Ouinidine

Frequency-dependent effects of quinidine on the relationship between action potential duration and refractoriness in the canine heart in situ, 1177

R

Racial differences

Black-white differences in aortic fatty streaks in adolescence and early adulthood: the Bogalusa Heart Study, 856

Raynaud's syndrome

Apparent finger systolic pressures during cooling in patients with Raynaud's syndrome, 988

Reentry

Reentrant ventricular rhythms in the late myocardial infarction period: prevention of reentry by dual stimulation during basic rhythm, 429

Refractoriness

Accentuated antagonism between β-adrenergic and vagal effects on ventricular refractoriness in humans, 289

Regurgitation

Doppler mapping of postoperative left atrioventricular valve regurgitation, 311

Renin-angiotensin system

Angiotensin and the renal circulation in hypertension, I-59

Brain angiotensin: pathways and pharmacology, I-40

Circulating versus local renin-angiotensin system in cardiovascular homeostasis, I-4

Differential influences of angiotensin converting-enzyme inhibitors on the coronary circulation, I-24

Does captopril attentuate reperfusion-induced myocardial dysfunction by scavenging free radicals? I-30

Interaction of prostaglandins and angiotensin II in the modulation of renal function in congestive heart failure, I-64

Intracardiac generation of angiotensin and its physiologic role, I-18 Large conduit arteries in hypertension: role of the vascular reninangiotensin system, 947

New approaches to the study of the cellular biology of the cardiovascular system, I-14

Role of angiotensin in autoregulation of cerebral blood flow, I-55 Structural relationships of angiotensin converting-enzyme inhibitors to pharmacologic activity, I-74

Tissue renin-angiotensin system: physiologic and pharmacologic implications. Introduction, I-1

Reperfusion

Assessment of thallium-201 redistribution versus glucose uptake as predictors of viability after coronary occlusion and reperfusion, 927

The effects of a critical stenosis on myocardial blood flow, ventricular function, and infarct size after coronary reperfusion, 915

Repolarization

Changes in myocardial repolarization in patients undergoing balloon valvuloplasty for congenital pulmonary stenosis: evidence for contraction-excitation feedback in humans, 70

Restenosis

Incidence of restenosis after successful coronary angioplasty: a timerelated phenomenon. A quantitative angiographic study in 342 patients at 1, 2, 3, and 4 months, 361

Rheumatic fever

Mitral valve prolapse in patients with prior rheumatic fever, 830

S

Saphenous vein grafts

Improvement in early saphenous vein graft patency after coronary artery bypass surgery with antiplatelet therapy: results of a Veterans Administration Cooperative Study, 1324

Scintigraphy

Sequential thallium-201 myocardial perfusion studies after successful percutaneous transluminal coronary artery angioplasty: delayed resolution of exercise-induced scintigraphic abnormalities, 86

Serotonin

Mediation of reocclusion by thromboxane A₂ and serotonin after thrombolysis with tissue-type plasminogen activator in a canine preparation of coronary thrombosis, 678

Single ventricle

Quantitative cineangiographic analysis of ventricular volume and mass in patients with single ventricle: relation to ventricular morphologies, 62

Sodium

The association between blood pressure, age, and dietary sodium and potassium: a population study, 53

Special repor

Recommendations for human blood pressure determination by sphygmomanometers. Report of a Special Task Force appointed by the Steering Committee, American Heart Association, 501A

Stenosis

The effects of a critical stenosis on myocardial blood flow, ventricular function, and infarct size after coronary reperfusion, 915

Serum Lp(a) level as a predictor of vein graft stenosis after coronary artery bypass surgery in patients, 1238

Streptokinase

Coronary perfusion during acute myocardial infarction with a combined therapy of coronary angioplasty and high-dose intravenous streptokinase, 151

Marked platelet activation in vivo after intravenous streptokinase in patients with acute myocardial infarction, 142

The Western Washington Intravenous Streptokinase in Acute Myocardial Infarction Randomized Trial, 345

Stunned myocardium

Myocardial oxygen consumption, oxygen supply/demand heterogeneity, and microvascular patency in regionally stunned myocardium. 865

Subendocardial resection

Surgical ablation of ventricular tachycardia with sequential mapguided subendocardial resection: electrophysiologic assessment and long-term follow-up, 131

Substance P

Vasodilation by calcitonin gene-related peptide and by substance P: a comparison of their effects on resistance and capacitance vessels of human forearms, 1072

Sudden death

Procainamide infusion test: inability to identify patients with Wolff-Parkinson-White syndrome who are potentially at risk of sudden death, 1291

Supraventricular tachycardia

Circadian occurrence of symptomatic paroxysmal supraventricular tachycardia in untreated patients, 298

Surface mapping

Correlation between echocardiographic endocardial surface mapping of abnormal wall motion and pathologic infarct size in autopsied hearts, 978

Sympathetic nervous system

Arterial baroreflex control of sympathetic nerve activity during elevation of blood pressure in normal man: dominance of aortic baroreflexes, 279

Systolic bulging

The effect of changes in afterload on systolic bulging, 221

T

Tachycardia circuit

Entrainment of ventricular tachycardia: explanation for surface electrocardiographic phenomena by analysis of electrograms recorded within the tachycardia circuit, 569

TAMI trial

Characteristics and outcome of patients in whom reperfusion with intravenous tissue-type plasminogen activator fails: results of the Thrombolysis and Angioplasty in Myocardial Infarction (TAMI) trial, 1090

Technetium-99m

Myocardial kinetics of technetium-99m-hexakis-2-methoxy-2-methylpropyl-isonitrile, 491

Tetralogy of Fallot

Late results in patients with tetralogy of Fallot repaired during infancy, 1062

Thallium-201

Assessment of thallium-201 redistribution versus glucose uptake as predictors of viability after coronary occlusion and reperfusion, 927

Prognostic utility of the exercise thallium-201 test in ambulatory patients with chest pain: comparison with cardiac catheterization, 745

Quantitative rotational thallium-201 tomography for identifying and localizing coronary artery disease, 316

Sequential thallium-201 myocardial perfusion studies after successful percutaneous transluminal coronary artery angioplasty: delayed resolution of exercise-induced scintigraphic abnormalities, 86

Thermal injur

Modulation of arteriolar blood flow by inhibitors of arachidonic acid

oxidation after thermal injury: possible role for a novel class of vasodilator metabolites, 1185

Thrombolysis

Characteristics and outcome of patients in whom reperfusion with intravenous tissue-type plasminogen activator fails: results of the Thrombolysis and Angioplasty in Myocardial Infarction (TAMI) trial, 1090

Coronary arterial thrombolysis with combined infusion of recombinant tissue-type plasminogen activator and urokinase in patients with myocardial infarction, 1100

Coronary perfusion during acute myocardial infarction with a combined therapy of coronary angioplasty and high-dose intravenous strentokinase. 151

Interactions of tissue-type plasminogen activator with plasma inhibitors and their pharmacologic implications, 660

Intravenous and intrapulmonary recombinant tissue-type plasminogen activator in the treatment of acute massive pulmonary embolism: a pilot study, 353

Marked platelet activation in vivo after intravenous streptokinase in patients with acute myocardial infarction, 142

Mediation of reocclusion by thromboxane A₂ and serotonin after thrombolysis with tissue-type plasminogen activator in a canine preparation of coronary thrombosis, 678

Rapid and sustained coronary artery recanalization with combined bolus injection of recombinant tissue-type plasminogen activator and monoclonal antiplatelet GPIIb/IIIa antibody in a canine preparation, 670

The role of intracoronary thrombus in unstable angina: angiographic assessment and thrombolytic therapy during ongoing anginal attacks. 526

Synergism of thrombolytic agents: investigational procedures and clinical potential, 731

The Western Washington Intravenous Streptokinase in Acute Myocardial Infarction Randomized Trial, 345

Thromboxane A₂

Mediation of reocclusion by thromboxane A2 and serotonin after thrombolysis with tissue-type plasminogen activator in a canine preparation of coronary thrombosis, 678

Thrombus

The role of intracoronary thrombus in unstable angina: angiographic assessment and thrombolytic therapy during ongoing anginal attacks. 526

Time domain analysis

Time domain echo pattern evaluations from normal and atherosclerotic arterial walls: a study in vitro, 654

Tissue-type plasminogen activator

Biochemical determinants of clearance of tissue-type plasminogen activator from the circulation, 906

Characteristics and outcome of patients in whom reperfusion with intravenous tissue-type plasminogen activator fails: results of the Thrombolysis and Angioplasty in Myocardial Infarction (TAMI)

Coronary arterial thrombolysis with combined infusion of recombinant tissue-type plasminogen activator and urokinase in patients with myocardial infarction, 1100

Interactions of tissue-type plasminogen activator with plasma inhibitors and their pharmacologic implications, 660

Intravenous and intrapulmonary recombinant tissue-type plasminogen activator in the treatment of acute massive pulmonary embolism: a pilot study, 353

Limitation of myocardial infarction by early infusion of recombinant tissue-type plasminogen activator, 1311

Mediation of reocclusion by thromboxane A₂ and serotonin after thrombolysis with tissue-type plasminogen activator in a canine preparation of coronary thrombosis, 678

Rapid and sustained coronary artery recanalization with combined bolus injection of recombinant tissue-type plasminogen activator and monoclonal antiplatelet GPIIb/IIIa antibody in a canine preparation, 670

Torsade de pointes

Treatment of torsade de pointes with magnesium sulfate, 392

Transient entrainment

A fourth criterion for transient entrainment: the electrogram equivalent of progressive fusion, 1003

Transposition of the great arteries

Cardiopulmonary adaptation at rest and during exercise 10 years after Mustard atrial repair for transposition of the great arteries, 1055 Cine magnetic resonance imaging in patients with transposition of the

great arteries after surgical repair, 104

Midterm results after the arterial switch operation for transposition of the great arteries with intact ventricular septum: clinical, hemodynamic, echocardiographic, and electrophysiologic data, 1333

U

Ultrasound

Carcinoid heart disease: relationship of circulating substances to ultrasound-detectable cardiac abnormalities, 264

Influence of heart rate, preload, afterload, and inotropic state on myocardial ultrasonic backscatter, 478

Urokinase

Coronary arterial thrombolysis with combined infusion of recombinant tissue-type plasminogen activator and urokinase in patients with myocardial infarction, 1100

V

Valve replacement

Abnormal exercise hemodynamics in patients with normal systolic function late after aortic valve replacement, 613

Valvular heart disease

Doppler mapping of postoperative left atrioventricular valve regurgitation, 311

Valvuloplasty

Changes in myocardial repolarization in patients undergoing balloon valvuloplasty for congenital pulmonary stenosis: evidence for contraction-excitation feedback in humans, 70

Improvement in exercise capacity and exercise hemodynamics 3 months after double-balloon, catheter balloon valvuloplasty treatment of patients with symptomatic mitral stenosis, 1013

Vasoconstriction

Potentiation by atrial natriuretic factor of the forearm vasoconstriction induced by cardiopulmonary receptor deactivation in man, 849

Vasodilators

Modulation of arteriolar blood flow by inhibitors of arachidonic acid oxidation after thermal injury: possible role for a novel class of vasodilator metabolites. 1185

Ventilatory control

Increased exercise ventilation in patients with chronic heart failure: intact ventilatory control despite hemodynamic and pulmonary abnormalities, 552

Ventricular arrhythmia

Electrical alternans and cardiac electrical instability, 110

Identification of patients with sustained ventricular tachycardia by frequency analysis of signal-averaged electrocardiograms despite the presence of bundle branch block, 122

Surgical ablation of ventricular tachycardia with sequential mapguided subendocardial resection: electrophysiologic assessment and long-term follow-up, 131

Ventricular function

Abnormal exercise hemodynamics in patients with normal systolic function late after aortic valve replacement, 613

Quantitative assessment of regional left ventricular function by densitometric analysis of digital-subtraction ventriculograms: correlation with myocardial systolic shortening in dogs, 457 The relationship between left ventricular systolic function and congestive heart failure diagnosed by clinical criteria, 607

ST segment elevation with exercise: a marker for poor ventricular function and poor prognosis. Coronary Artery Surgery Study confirmation of Seattle Heart Watch results, 897

Serial changes in left ventricular relaxation and chamber stiffness after large myocardial infarction in rats, 1424

Ventricular hypertrophy

The effect of hypertension and left ventricular hypertrophy on the lower range of coronary autoregulation, 1108

Ventricular performance

Efficiency of energy transfer from pressure-volume area to external mechanical work increases with contractile state and decreases with afterload in the left ventricle of the anesthetized closed-chest dog, 1116

Right ventricular diastolic pressure-volume relations and regional dimensions during acute alterations in loading conditions, 1276

Ventricular repolarization

PQRST isoarea maps from patients with Wolff-Parkinson-White syndrome: an index for global alterations of ventricular repolarization, 499

Ventricular septal defect

Quantitative analysis of right and left ventricular infarction in the presence of postinfarction ventricular septal defect, 33

Ventricular tachycardia

Inducible sustained ventricular tachycardia 4 years after experimental canine myocardial infarction: electrophysiologic and anatomic comparisons with early healed infarcts, 445

Relationship between the 12-lead electrocardiogram during ventricular tachycardia and endocardial site of origin in patients with coronary artery disease, 759

Ventriculography

Quantitative assessment of regional left ventricular function by densitometric analysis of digital-subtraction ventriculograms: correlation with myocardial systolic shortening in dogs, 457

Verapamil

Comparative clinical and electrophysiologic effects of adenosine triphosphate and verapamil on paroxysmal reciprocating junctional tachycardia, 795

Videodensitometry

Videodenistometric analysis of human coronary strnoses: validation in vivo by intraoperative high-frequency epicardial echocardiography, 328

Viruses

The potential role of viruses in the pathogenesis of atherosclerosis, 964

W

Wolff-Parkinson-White syndrome

PQRST isoarea maps from patients with Wolff-Parkinson-White syndrome: an index for global alterations of ventricular repolarization, 499

Procainamide infusion test: inability to identify patients with Wolff-Parkinson-White syndrome who are potentially at risk of sudden death, 1291

x

Xamoterol

Long-term effects of xamoterol on left ventricular diastolic function and late remodeling: a study in patients with anterior myocardial infarction and single-vessel disease, 1081

